FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/ Date: 23-03-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Cross Roads of Kodigehalli Village in Ward No.08 of Kodigehalli Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 20-03-2015

Sample supplied to lab by: Sri.R.Madhusudhan, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Kodigehalli Sub-Division. BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**97.20**	95-100
26.50	**---**	-
22.40	**74.00**	60-80
11.20	**41.20**	40-60
4.75	**32.00**	25-40
2.36	**25.40**	15-30
0.600	**19.60**	8-22
0.075	**4.30**	0-8

AE-D
1
A.E.E.

*As Furnished by Client

The Results relate only to the items tested

The test reports are Accepted

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬ್ಬ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560092

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

Verified

Dr. MANJESH .L
ME (Civil Engg) Ph D MISTE MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail: manjeshl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 23-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.10%**	Not more than 30 %
2	Impact Value	----,,----	**24.60 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENG. * BANGALORE UNIVERSITY

Dr. MANJESH .L
ME(Civil Engg.) Ph.D.. MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University. Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: maniesnl@yahoo.com

FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/ **Date: 28-03-2015**

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements to Cross Roads of Kodigehalli Village in Ward No.08 of Kodigehalli Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 26-03-2015

Sample supplied to lab by: Sri.R.Madhusudhan, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Kodigehalli Sub-Division. BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.04 %**
2. **Gradation Test :**

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**97.00**	90—100
4.75	**44.00**	35—51
2.36	**33.20**	24—39
1.18	**18.60**	15—30
0.3	**16.30**	09—19
0.075	**4.00**	03—08

* As furnished by Client.
The Results relate only to the items tested.

The test reports are accepted

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

Verified

Dr. MANJESH .L
ME (Civil Engg) Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e mail manjeshl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 28-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**23.70%**	Not more than 30 %
2	Impact Value	----,,----	**24.10 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.30%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.50 %**	Minimum retained coating 95.0 %

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENGINEERING BANGALORE UNIVERSITY

28/03/2015

Dr. MANJESH .L
ME(Civil Engg.) Ph.D.. MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University, Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: manjesnl@yahoo.com